May be emailed to: <u>Melanie, Yanklowski@msdh.state.ms.us</u>

MISSISSIPPI STATE DEPARTMENT OF HEALTH2013 JUN 19 AM 9: 33 BUREAU OF PUBLIC WATER SUPPLY CCR CERTIFICATION FORM CALENDAR YEAR 2012

	Public Water Supply Name
	070002 List PWS ID #s for all Community Water Systems included in this CCR
syste cust of e	Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute sumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. Since this is the first year lectronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form to MSDH. Please kall boxes that apply.
	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
	Advertisement in local paper (attach copy of advertisement) On water bills (attach copy of bill) Email message (MUST Email the message to the address below) Other
	Date(s) customers were informed:/,/
	CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used
	Date Mailed/Distributed: / /
	CCR was distributed by Email (MUST Email MSDH a copy) As a URL (Provide URL As an attachment As text within the body of the email message
X	CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of Newspaper: CALHOUN COUNTY JOURNAL
	Date Published:6 / 13 / 13
	CCR was posted in public places. (Attach list of locations) Date Posted: / /
	CCR was posted on a publicly accessible internet site at the following address (DIRECT URL REQUIRED)
I her publithe Sthe	TIFICATION eby certify that the 2012 Consumer Confidence Report (CCR) has been distributed to the customers of the customers
Nam	ROBERT HARRISON (PRESIDENT) 6/18/2013 e/Title (President, Mayor, Owner, etc.) Date
Burea P.O.	er or send via U.S. Postal Service: May be faxed to: (601)576-7800 Box 1700 on, MS 39215 May be emailed to: May be emailed to:

RECEIVED-WATER SUPPLY

2012 Annual Drinking Water Quality Report Big Creek Water Association PWS#: 0070002 May 2013

2013 JUN 19 AM 9: 34

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to providing you with information because informed customers are our best allies. Our water source is from wells drawing from the Gordo Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Big Creek Water Association have received lower rankings in terms of susceptibility to contamination.

If you have any questions about this report or concerning your water utility, please contact Bob Harrison at 662.628.5687. We want our valued customers to be informed about their water utility. If you want to learn more, please join us at any of our regularly scheduled meeting to be held on the first Saturday of each month at 10:00 AM at the Water Office.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2012. In cases where monitoring wasn't required in 2012, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

				TEST RESU	JLTS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination	
Radioactiv	e Conta	minants							
5. Gross Alpha	N	2012	4.4	3 4.4	pCi/L	0		15	Erosion of natura deposits
6. Radium 226 Radium 228	N	2012	1.4 1.1	No Range	pCi/1	0		5	Erosion of natura deposits
Inorganic (Contami	inants							
8. Arsenic	N	2011*	4.9	1 – 4.9	ppb	n/a	10	from orchards;	ral deposits; runoff runoff from glass production wastes

10. Barium	N	2011*	.13	.1013	ppm	2	? 2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2011*	1.6	No Range	ppb	100	100	
14. Copper	N	2011*	.9	0	ppm	1.3	3 AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2011*	.435	.397435	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2011*	4	0	ppb	С	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2012	.23	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
21. Selenium	N	2011*	3.9 3.5 – 3.9		ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Disinfection	on By-	Products	•					
Chlorine	N	2012	1.5	.8 - 2	mg/l	0 MI		Water additive used to control microbes

^{*} Most recent sample. No sample required for 2012.

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

*****April 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 – December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

The Big Creek Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

2013 JUN 19 AM 9: 34

Proof Of Publication

STATE OF MISSISSIPPI, COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeece, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County Journal is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858 of the Mississippi Code of 1942, and the publication of a notice, of which annexed copy, in the matter of

PUBLISHING WATER QUALITY REPORT – BIG CREEK

has been made in said newspaper one time, towit:

Joel McNeece
Publisher

Sworn to and subscribed before me, this 13 day of JUNE, 2013.

Lisa Denley McNecce, Notary Public

inission expires March 28, 2014

SEAL # 2034 LISA DENLEY MONEECE Commission Expires March 28, 2014

On the 1

Big Creek Water Association Annual Drinking Water Quality Report

2012 Annual Drinking Water Quality Repor Big Creek Water Association PWS#, 0070002

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Radioactiv	e Conta	minant	9							
5. Gross Alpha	H	2012	4.4	3-4.4	PCAL	٥		15 Erosion of natu		
6. Redium 226 Redium 228	H	2012	1.4	No Range	pCV1	0		5 Erosion of nature doposits		
Inorganic	Contam	inants								
8. Arconic	N	2011*	4.9	1-4.9	SOP	n/a	10	Erosion of natural doposits; runof trom orchants; runoff from glass and electronics production waste		
10. 17. 4	73,	T 2011*	1.13	1.1013	7	T 2		Tibertana ara	latina (canadas)	
io. Barkim	N	2011*	.13	.1013	ppm	'	1	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits		
13. Chromken	N	2011*	1.6	No Range	ppb	100	100	Discharge from steel and pulp mile; erosion of natural deposits		
14. Copper	М	2011*	9	0	ppm	1.3	AL=1.3	Corresion of household plumbing aystems; erosion of natural deposits; leaching from wood preservatives.		
16. Fluoride	N	2011*	,435	.997 - ,435	bþrn	•	4	Erosion of natural deposits; water additive which promotes alrong teeth; discharge from fortilizer an atuminum factories		
17. Load	N	2011"	4	0	poh	°	AL»15	Corresion of trousehold plumbing systems, erosion of natural deposits		
19. Nitrate (sa Nitrogen)	N .	2012	.23	No Range	ppm	10	10	Flunoff from fertilizer use; leachi from soptic tanks, sewage; erosi of natural deposits		
21. Selanium	*	2011*	3.9	3.5 - 3.9	pob	50	50	Discharge from petroleum and metal refineries; crosion of natura doposits; discharge from mines		
Disinfectio	n Bv-ib	oducts								

Most recent somple. No sample regulated for 2012.

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If present, elevated levels of lead can actuse endous houtily problems, especially for pregnant women and young children. Level in drinking water is premarify from materials and components associated with services less and home pharbidge. Our waves payaken is responsable for providing high quality divising water, but cannot control the variety of materials used in pierrobing components. When your water has been atting for several hours, you can ministrate the potential for lend exposure by the kelling your by for 20 seconds to 2 christops before using water for drinking or cooking. If you are commonded about feed in your water, you may wish to have your water tested, information on lead in drinking water, itselfig methods, and steps, you can take to minimize exposure is available, from the Safe Drinking the Hobling or at http://www.epe.gov/safewstor/dead. The Mississippl State Department of Health Public Health Laboratory offers lead testing. Please contact 601,670,7502 from with to have your water testing.

All sources of drinking water are subject to potential contentination by substances that are naturally occurring or man made. These substances, can be microbes, inorganic or organic chamicals and nationable substances. All drinking water, including bortion where, may reasonably to depoted to content at least ental amounts of some contentination. The presence of contentinations does not necessarily satisfact that the water posses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Annex's Sen Dehiston Matter Ottobia of 1:500-524-781.

Some people may be more vulnerable to contentinants in drinking water than the general population. Immuno-compromised persons such as persons with carrour undergoing chemotherapy, paraces who have undergone organ transplants, people with VIII/VIIIOS or other immune system disocretics, some electry, and infants can be persously at risk from infections. These people should seek solvice about drinking water from their health care providers. EPA/CIIC guidelines on appropriate means to leasen the risk of infection by Chyptospondium and other mixed of infantsplants are possible from this Safe Providen Water (Safes a 1810 AS 471).

April 1, 2015 MESSAGE FROM MISCH CONCERNING RADIOLOGICAL SAMPLING***

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